

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

IN THE MATTER OF:

**The Dow Chemical Company
1400 Harvard Drive
Kankakee, IL 60901**

ATTENTION:

**Todd Dykton
Environmental Delivery Specialist**

Request to Provide Information Pursuant to the Clean Air Act

The U.S. Environmental Protection Agency is requiring The Dow Chemical Company (Dow or you) to submit certain information about the facility at 1400 Harvard Drive, Kankakee, IL 60901. Appendix A provides the instructions needed to answer this information request, including instructions for electronic submissions. Appendix B specifies the information that you must submit. You must send this information to us within 30 calendar days after you receive this request.

We are issuing this information request under Section 114(a) of the Clean Air Act (the CAA), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of EPA to require the submission of information. The Administrator has delegated this authority to the Director of the Air and Radiation Division, Region 5.

Dow owns and operates an emission source at the Kankakee, Illinois facility. We are requesting this information to determine whether your emission source is complying with the Illinois State Implementation Plan, the National Emissions Standards for Hazardous Air Pollutants, and conditions of its operating permit.

Dow must send all required information to:

Attn: Compliance Tracker, AE-18J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency
Region 5
77 W. Jackson Boulevard
Chicago, Illinois 60604

Dow must submit all required information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Clean Air Act and 18 U.S.C. §§ 1001 and 1341.

As explained more fully in Appendix C, you may assert a claim of business confidentiality under 40 C.F.R. Part 2, Subpart B for any part of the information you submit to us. Information subject to a business confidentiality claim is available to the public only to the extent, and by means of the procedures, set forth at 40 C.F.R. Part 2, Subpart B. If you do not assert a business confidentiality claim when you submit the information, EPA may make this information available to the public without further notice. You should be aware, moreover, that pursuant to Section 114(c) of the CAA and 40 C.F.R. § 2.301(a) and (f), emissions data, standards and limitations are not entitled to confidential treatment. Appendix C provides additional information regarding the meaning and scope of the term “emissions data.”

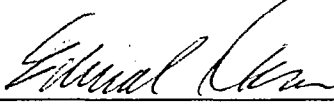
This information request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 *et seq.*, because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

We may use any information submitted in response to this request in an administrative, civil or criminal action.

Failure to comply fully with this information request may subject Dow to an enforcement action under Section 113 of the CAA, 42 U.S.C. § 7413.

You should direct any questions about this information request to Jason Schenandoah at 312-886-9506 or schenandoah.jason@epa.gov.

9/8/17
Date



Edward Nam
Director
Air and Radiation Division

Appendix A

When providing the information requested in Appendix B, use the following instructions and definitions.

Instructions

1. Provide a separate narrative response to each question and subpart of a question set forth in Appendix B.
2. Precede each answer with the number of the question to which it corresponds and, at the end of each answer, identify the person(s) who provided information used or considered in responding to that question, as well as each person consulted in the preparation of that response.
3. Indicate on each document produced, or in some other reasonable manner, the number of the question to which it corresponds.
4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.
5. Where information or documents necessary for a response are neither in your possession nor available to you, indicate in your response why the information or documents are not available or in your possession, and identify any source that either possesses or is likely to possess the documents or information.
6. If information not known or not available to you as of the date of submission later becomes known or available to you, you must supplement your response. Moreover, should you find at any time after the submission of your response that any portion of the submitted information is false or incorrect, you must notify EPA as soon as possible.

Electronic Submissions

To aid in our electronic recordkeeping efforts, we request that you provide all documents responsive to this information request in an electronic format according to paragraphs 1 through 6, below. These submissions are in lieu of hard copy.

1. Provide all responsive documents in Portable Document Format (PDF) or similar format, unless otherwise requested in specific questions. If the PDFs are scanned images, perform at least Optical Character Recognition (OCR) for "image over text" to allow the document to be searchable. Submitters providing secured PDFs should also provide unsecured versions for EPA use in repurposing text.
2. When specific questions request data in electronic spreadsheet form, provide the data and corresponding information in editable Excel or Lotus format, and not in image format. If Excel or Lotus formats are not available, then the format should allow for data to be used in calculations by a standard spreadsheet program such as Excel or Lotus.

3. Provide submission on physical media such as compact disk, flash drive or other similar item.
4. Provide a table of contents for each compact disk or flash drive containing electronic documents submitted in response to our request so that each document can be accurately identified in relation to your response to a specific question. *We recommend the use of electronic file folders organized by question number.* In addition, each compact disk or flash drive should be labeled appropriately (e.g., Company Name, Disk 1 of 4 for Information Request Response, Date of Response).
5. Documents claimed as confidential business information (CBI) must be submitted on separate disks/drives apart from the non-confidential information. This will facilitate appropriate records management and appropriate handling and protection of the CBI. Please follow the instructions in Appendix C for designating information as CBI.
6. Certify that the attached files have been scanned for viruses and indicate what program was used.

Definitions

All terms used in this information request have their ordinary meaning unless such terms are defined in the CAA, 42 U.S.C. §§ 7401 *et seq.*, the Standards of Performance for New Stationary Sources for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 at 40 C.F.R. Part 60, Subpart Kb or the National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources at 40 C.F.R. Part 63, Subpart VVVVVV.

Appendix B

Information You Are Required to Submit to EPA

Dow must submit the following information pursuant to Section 114(a) of the CAA, 42 U.S.C. § 7414(a) for the facility at 1400 Harvard Drive, Kankakee, Illinois:

1. A copy of all air permit applications submitted to the Illinois Environmental Protection Agency (IEPA) and the corresponding permits received from IEPA.
2. A facility or process flow diagram which clearly identifies emission units and associated control devices.
3. A list of all emissions tests conducted at the facility for any reason, from November 2005 to the present, and provide copies of all emissions test reports. Emission testing includes, but is not limited to: compliance testing, engineering testing and testing for general information. Use the following guidelines for compiling the list and preparing copies of the emission test reports:
 - a. **List:** Identify the emissions unit, the date of the test, the federal or state regulation requiring the test (if applicable), the test method(s) used, the physical location of the sample collection points (e.g., before or after emission unit or air pollution control device), and the operating parameters of the associated emission unit during the test.
 - b. **Copies:** Provide full emission test reports, including the summary pages, the section describing the process parameters and production or processing rates at the time of the test, all test runs, and all calculations.
4. Monthly total process emissions of carbon monoxide (CO), nitrogen oxides (NO_x), particulate matter (PM), volatile organic material (VOM) and hazardous air pollutants (HAP) from each process unit at the facility, with supporting calculations and data, from August 1, 2012 to the present, in Microsoft Excel spreadsheet format, or compatible format.
5. The annual potential-to-emit of CO, NO_x, PM, VOM and HAP from each process unit at the facility, with supporting calculations, data, and assumptions.
6. Monthly data for the total number of batches of polyvinyl acetate (PVA), acrylics and styrene-based polymers processed, separately, from August 1, 2012 to the present, in Microsoft Excel spreadsheet format, or compatible format.
7. The specific CO, NO_x, PM, VOM and HAP emission factors associated with each batch process, with the supporting calculations that determined said emission factors. If there are separate emission factors for when the afterburner or flare are operating, provide both factors.

8. Monthly fugitive VOM and HAP emissions from leaks from process components and supporting calculations, from August 1, 2012 to the present, in Microsoft Excel spreadsheet format, or compatible format.
 - a. Indicate whether latest monitoring data or Synthetic Organic Chemical Manufacturing Industry factors are used to calculate leak emissions for each month.
 - b. If the latest monitoring data were utilized, provide the date that data were obtained.
9. Monthly fugitive VOM emissions associated with wastewater treatment, with supporting calculations, from August 1, 2012 to the present, in Microsoft Excel spreadsheet format, or compatible format.
 - a. Include emission factors associated with the wastewater treatment emission calculations for each batch, with supporting documentation for how the emission factors were determined.
10. From August 1, 2012 until the present, any records of excess emissions during malfunctions or breakdowns including, but not limited to:
 - a. the date and duration of the malfunction or breakdown;
 - b. a full and detailed explanation of the cause for such emissions;
 - c. the contaminants emitted and an estimate of the quantity of emissions;
 - d. the measures used to reduce the quantity of emissions and the duration of the occurrence; and
 - e. the steps taken to prevent similar malfunctions or breakdowns or reduce their frequency and severity.
11. Any exceedance or deviation report submitted to the Illinois EPA from August 1, 2012 to the present.
12. From August 1, 2012 to the present, records of dates, times, and durations in which the flare was in operation or in standby mode.
13. Manufacturer's specifications for the flare that include operational and design criteria. Include any documentation of flare control efficiency and supporting data.
14. Documentation that the flare is operated consistent with the requirements of 40 CFR 60.18(c), (d), (e) and (f) and operational and design criteria specified in manufacturer's specification, including gas flow rate, gas heating value, and gas inlet and outlet temperature, from August 1, 2012 to the present.

15. From August 1, 2012 to the present, records for continuous temperature monitoring for the afterburner in Microsoft Excel spreadsheet format, or compatible format.
16. From August 1, 2012 to the present, records of vinyl acetate loading into and usage from tank TK-72.
17. A spreadsheet of daily maximum headspace pressure at tank TK-72 since March 5, 2017.
18. All reports, or like documents, that describe Dow's findings from the compliance management system review conducted on or about March 27, 2015.
19. Provide all design specifications and schematics for tank TK-72.

Appendix C

Confidential Business and Personal Privacy Information

Assertion Requirements

You may assert a business confidentiality claim covering any parts of the information requested in the attached Appendix B, as provided in 40 C.F.R. § 2.203(b).

Emission data provided under Section 114 of the CAA, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2.

“Emission data” means, with reference to any source of emissions of any substance into the air:

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. § 2.301(a)(2)(i)(A), (B) and (C).

To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document for which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a caption or other suitable form of notice to indicate the intent to claim confidentiality. The stamped or typed caption or other suitable form of notice should employ language such as “trade secret” or “proprietary” or “company confidential” and indicate a date, if any, when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by EPA only to the extent permitted and by means of the procedures set forth at Section 114(c) of the CAA and 40 C.F.R. Part 2. Allegedly confidential portions of otherwise non-confidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the information request as a waiver of that claim, and the information may be made available to the public without further notice to you.

Determining Whether the Information Is Entitled to Confidential Treatment

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. § 2.208, which provides in part that you must satisfactorily show: that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so, that the information is not and has not been reasonably obtainable by legitimate means without your consent and that disclosure of the information is likely to cause substantial harm to your business's competitive position.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking that you support your confidential business information (CBI) claim. If you receive such a letter, you must respond within the number of days specified by EPA. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential by page, paragraph and sentence. Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being CBI, EPA will ask that you answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a special event or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question number 1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available databases, promotional publications, annual reports or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as

substantial and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?

7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Is there any other information you deem relevant to EPA's determination regarding your claim of business confidentiality?

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by and by means of the procedures set forth in 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

Personal Privacy Information

Please segregate any personnel, medical and similar files from your responses and include that information on a separate sheet(s) marked as "Personal Privacy Information." Disclosure of such information to the general public may constitute an invasion of privacy.

CERTIFICATE OF MAILING

I certify that I sent a Request to Provide Information Pursuant to the Clean Air Act by

Certified Mail, Return Receipt Requested, to:

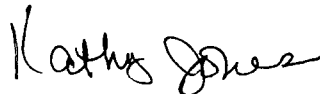
Todd Dykton
Environmental Delivery Specialist
The Dow Chemical Company
901 E. Kankakee River Road,
Wilmington, IL 60481

I also certify that I sent a copy of the Request to Provide Information Pursuant to the

Clean Air Act by E-mail to:

Yasmine Keppner-Bauman
Acting Manager, Compliance Section, Bureau of Air
Yasmine.Keppner-Bauman@Illinois.gov

On the 12th day of September 2017.



Kathy Jones, Program Technician
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER:

7009 1680 0000 7647 0407